

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13558

A JP 2000-339390 A (TURBO DATA LABORATORY INC.), 1-10 08 December, 2000 (08.12.00), & WO 00/73939 A & EP 1191462 A1 & CA 2375139 A & CN 1360700 T  A WO 00/10103 A (Shinji FURUSHO), 24 February, 2000 (24.02.00), & EP 1136918 A1 & CA 2340008 A & CN 1317117 T  A Norio DOI, "LFM o Tsukatta Kosoku In Memory XML Database Karearea, Database, No.21, 2002, April, Database Karearea, Database, No.21, 2002, April, pages 24 to 27  Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) counced to priority date claimed invention cannot be considered to the councent is taken along considered novel or cannot be connected involve an inventive step when the document is priority date claimed invention cannot be considered novel or cannot be connected into the mention along the councer of particular relevance, the claimed invention cannot be considered novel or cannot be connected into the councer of particular relevance, the claimed invention cannot be considered novel or cannot be connected to involve an inventive step when the document is considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered in involve an invention cannot be considered in volve an invention cannot be considered to involve an invention cannot be considered in volve an invention cannot	A CI ACCUMA		21/0103/13336
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Japanese Patent Office  Csimile No Telephone No.	26 January, 2004 (26.01.04)	10 February, 2004	l (10.02.04)
Japanese Patent Office  Csimile No Telephone No.	ame and mailing address of the ISA/	Authorized officer	
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rm PC1/ISA/210 (second sheet) (July 1998)	Orm PCT/ISA/210 (second sheet) (July 1998)		



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	国際調査報告	国際出願番号	PCT/JP(	3/13558
A. 発明の	の属する分野の分類 (国際特許分類 (IPC)	)		
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Α	JP 2000-339390 A (ターホ・テ・ータラホ・ラトリー &WO 00/73939 A &EP 1191462 A1	-有限会社) 2000. 12. 08	3	1-10
A	WO 00/10103 A(古庄晋二)2000.02.2 &EP 1136918 A1 &CA 2340008 A &	24 &CN 1317117 T		1-10
A	土井憲雄, LFMを使った高速イン, rea, データベース, No. 21, 2002. 04, p	メモリXMLデータベ o. 24-27	ースKarea	1-10
7 C 49 0 64 4				
	にも文献が列挙されている。	パテントファミリ	ノーに関する別約 	紙を参照。
もの 「E」国際出願 以後に公 「L」優先権主 日若しく 文献(理 「O」口頭によ	カテゴリー 「のある文献ではなく、一般的技術水準を示す 日前の出願または特許であるが、国際出願日表されたもの 張に疑義を提起する文献又は他の文献の発行は他の特別な理由を確立するために引用する由を付す) る開示、使用、展示等に言及する文献 日前で、かつ優先権の主張の基礎となる出願	出願と矛盾するもの理解のために引 「X」特に関連のある文i	先日をおいている。 先日ではないでする。 をはなもってといる。 でがなめている。 でする。 にな。 になる。 にる。 にる。 にる。 に。 にる。 にる。 にる。 に。 に。 に。 に。 に。 に。 に。 に。 に。	明の原理又は理論 ・ 該文献のみで発明 られるもの 該文献と他の1以 明である組合せに
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